

California Department of Fish and Game
722 Capitol Avenue
Sacramento, California

MARINE FISHERIES BRANCH - N. B. SCOFIELD
Cruise Report

- Cruise: Cruise 6 of the N. B. SCOFIELD for 1956. 56S6
Sailed: September 25, 1956 from Los Angeles Harbor.
Returned: October 13, 1956 to Los Angeles Harbor.
- Locality: The area surveyed was along the coast of Southern California from Pt. Arguello to the California-Mexico boundary, as well as the Channel Islands and Tanner and Cortez Banks.
- Purpose: This was the third of five cruises for 1956 designed to assess the relative abundance of sardines, Pacific mackerel, jack mackerel and Northern anchovies off the coast of California and Baja California.
- Results: A total of 96 light stations were occupied. Sardines were taken under the light at three stations, Pacific mackerel at sixteen, jack mackerel at fifteen and anchovies at seven. In addition to the samples collected, Pacific mackerel were observed under the light but could not be taken at three stations, jack mackerel at five and anchovies at one.

The N. B. SCOFIELD traveled 530 miles scouting for fish; 67 schools of sardines were observed, 82 Pacific mackerel, 12 anchovy, and 13 schools of sauries. A total of 116 unidentified schools were observed. Of those it was felt that the majority were jack or Pacific mackerel.

Sea surface temperatures during the cruise ranged from 13.12° C. (55.6° F.) near Pt. Conception to 20.74° C. (69.3° F.) at Del Mar. Sardines were taken in waters with a temperature range of 16.89° C. (62.4° F.) to 17.72° C. (63.9° F.)

- Scientific Personnel: D. Joseph, Biologist in Charge, September 25--October 2,
Department of Fish and Game
C. Turner, Biologist, Department of Fish and Game.
H. Hyatt, Biologist in Charge, October 3--October 13,
Department of Fish and Game.
G. Reiner, Biologist, Department of Fish and Game.

1.V. N.B. Scofield
 Cruise 5656 Sept. 25 - Oct. 12
 Each Mark Represents One Sample
 ▴ Sardine
 ▽ Jack Mackerel
 ▢ Pacific Mackerel
 ▣ Anchovy
 - - - Route of Cruise

